

Emory Lane Muncaster Mill SHARED USE PATH



PUBLIC MEETING

June 26, 2018 7PM-9PM



MCDOT **RK&K**
Montgomery County Department of Transportation

PROJECT TEAM

Patricia Shepherd — Project Manager



Aaron Feldman — Project Manager



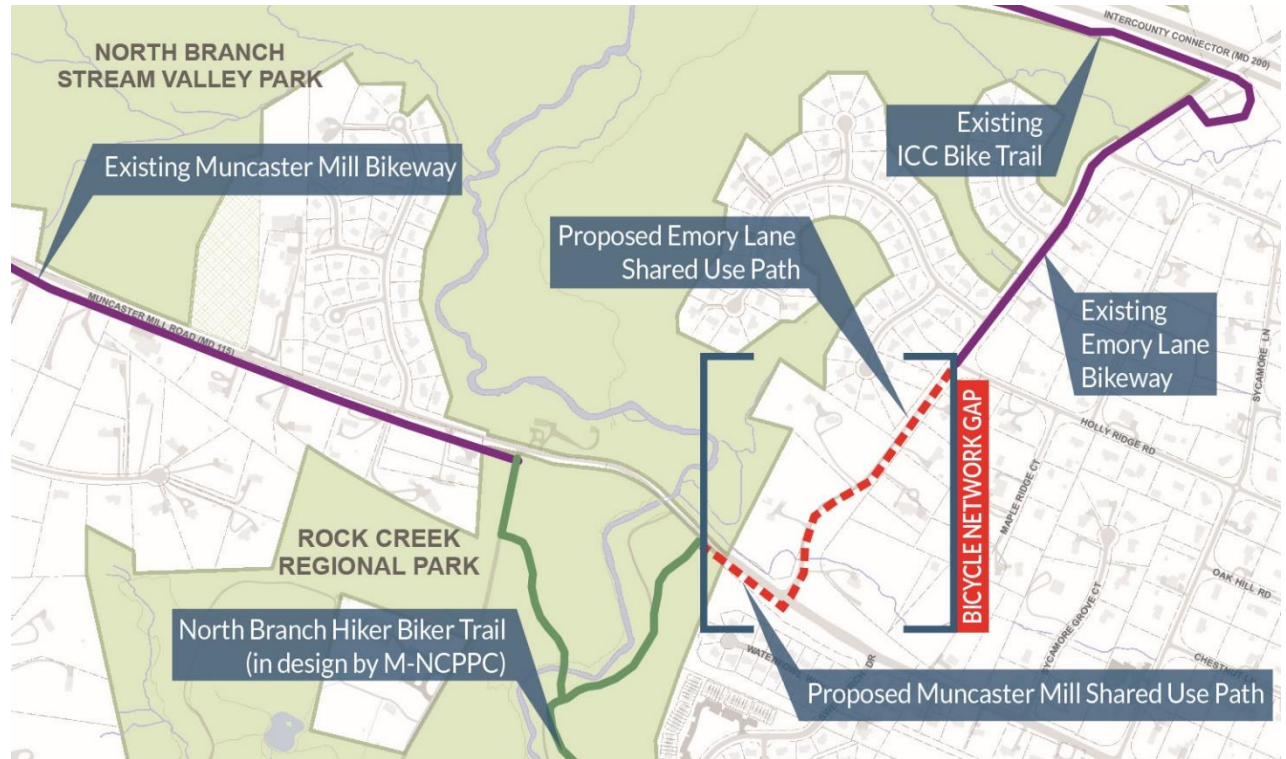
Rick Adams — Project Director

Jordan Howard — Project Manager

Jeff Parker — Traffic Analysis



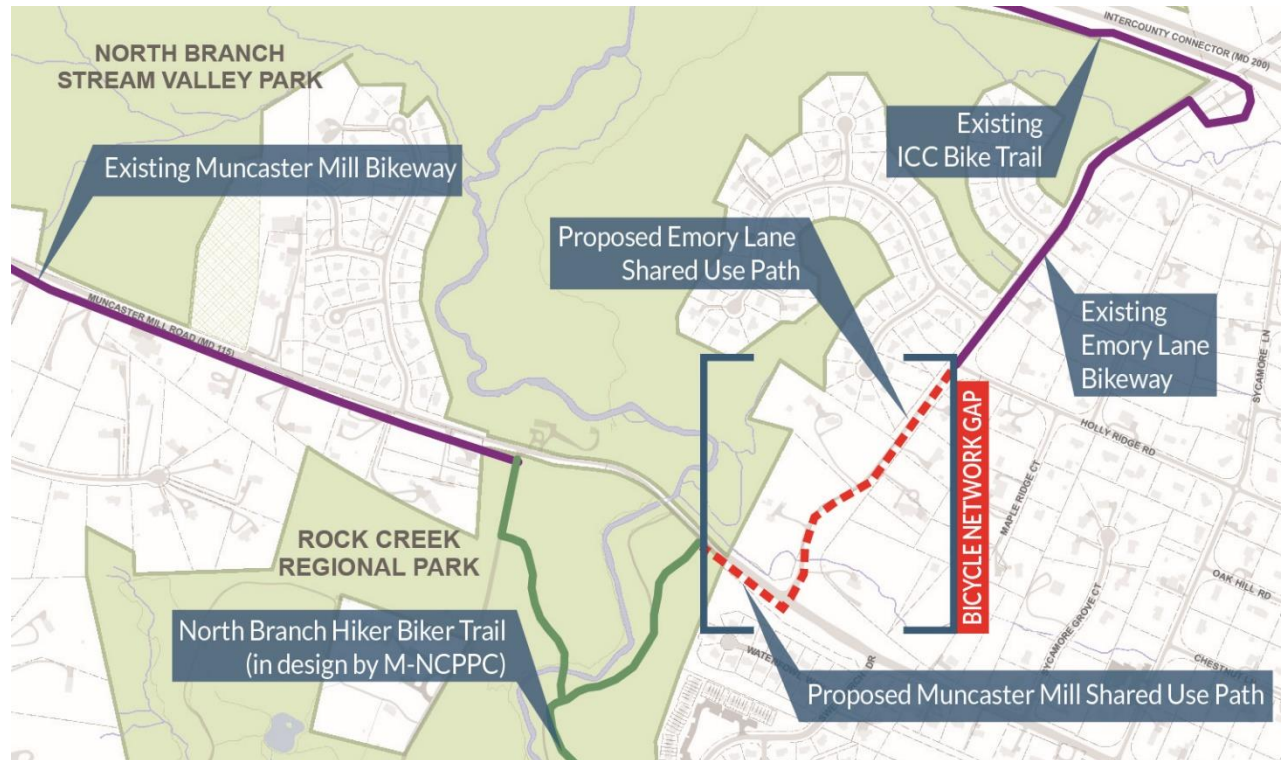
PROJECT LOCATION



- Emory Lane
 - 1,550 LF of shared use path
 - Sight distance improvements
- MD 115
 - 500 LF of shared use path
 - Connection to North Branch Trail
- Intersection Improvements
 - New Signal
 - Crosswalk
 - Pushbutton (APS/CPS)



PROJECT PURPOSE



- Eliminate critical gap in bicycle network
- Provide a connection to Rock Creek Regional Park
- Provide a pedestrian space where none exists today
- Improve safety at intersection of MD 115 & Emory Lane



EMORY LANE



EMORY LANE



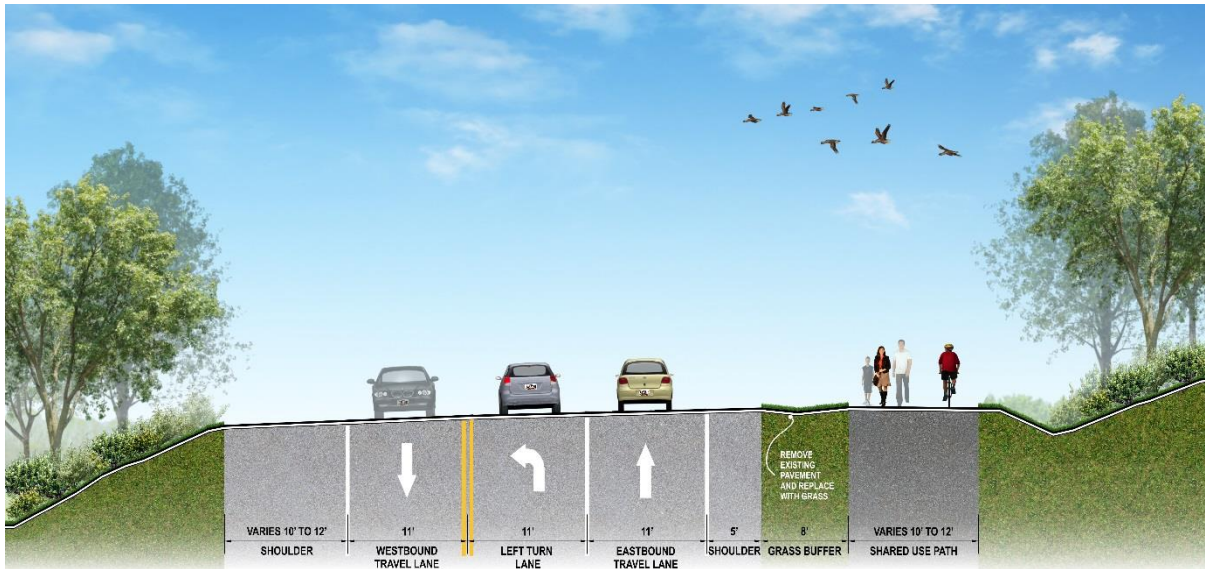
- 10-foot Travel Lanes
- 10-foot landscape buffer
- 10-foot shared use path
- Conveyance ditch



MUNCASTER MILL ROAD



MD 115 (MUNCASTER MILL ROAD)



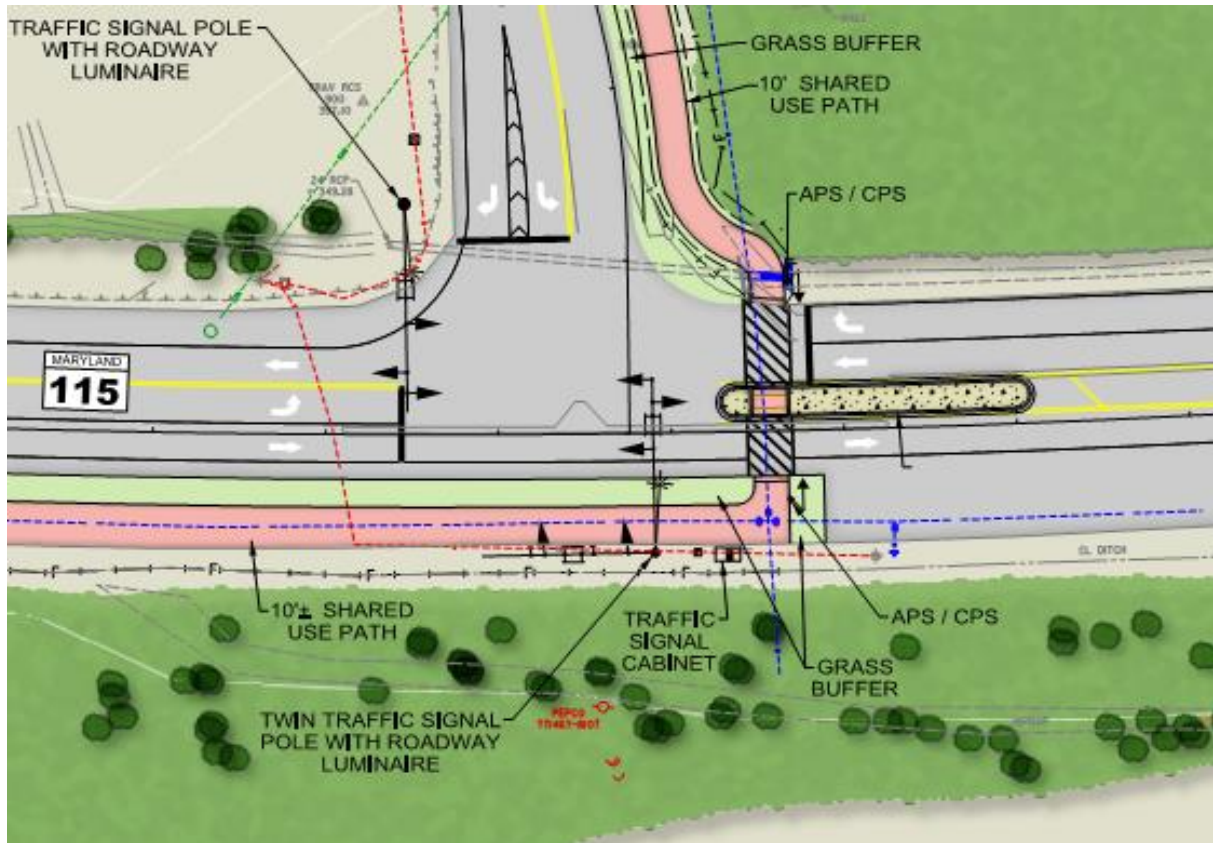
- 11-foot Travel Lanes
- 5-foot shoulder
- 8-foot landscape buffer
- 10-foot shared use path
- Conveyance ditch



INTERSECTION IMPROVEMENTS



INTERSECTION IMPROVEMENTS



- Signalized Intersection
- Existing islands will be removed
- East Leg
 - Right turn lane
 - Crosswalk
 - Pedestrian refuge island
- West Leg
 - Left turn lane

SIGNAL WARRANTS

- Analysis based on hourly intersection traffic volume counts
- Adheres to MUTCD guidelines for determining need for a signal
- Any 1 of 9 warrants should be satisfied to justify a signal
- **The “four hour volume” warrant is satisfied at Emory Lane today**
- As a standard T-intersection without the existing concrete barrier,
 - The “eight hour volume” warrant would be satisfied, and
 - The “four hour volume” warrant would be satisfied
- This analysis, and the need to provide adequate gaps in traffic for pedestrians and cyclists to cross, concludes that:



**A Traffic Signal is Justified
at MD 115 & Emory Lane**



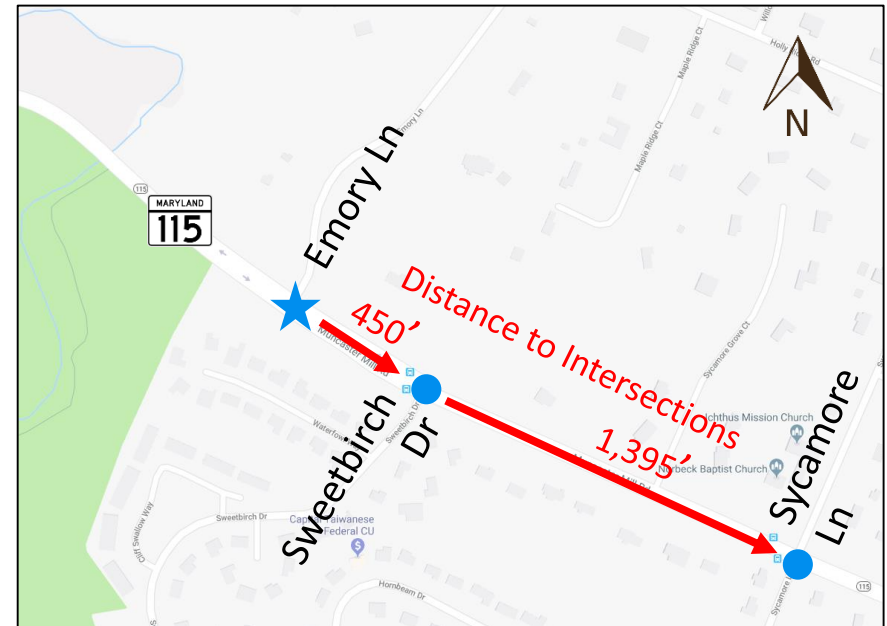
TRAFFIC ANALYSIS

	EXISTING CONDITION	PROPOSED CONDITION
EMORY LANE SOUTHBOUND	LOS F	LOS C
MD 115 THROUGH	LOS A	LOS A (EB) LOS B (WB)
MD 115 EASTBOUND LEFT TURN	LOS C	LOS B

- Intersection operations are described in terms of **Levels of Service (LOS)**
- LOS is based on the average delay each vehicle experiences traveling through the intersection
- LOS is a scale from A to F, with “A” representing free-flowing conditions and “F” representing long queues and drivers waiting through multiple Green-Yellow-Red cycles

TRAFFIC ANALYSIS

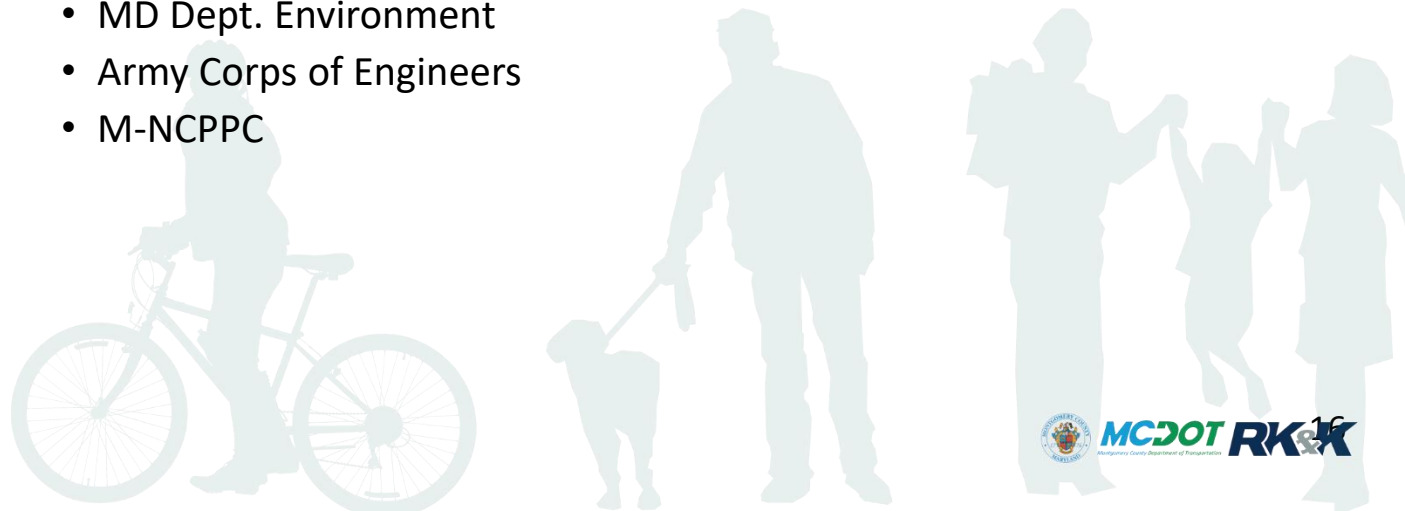
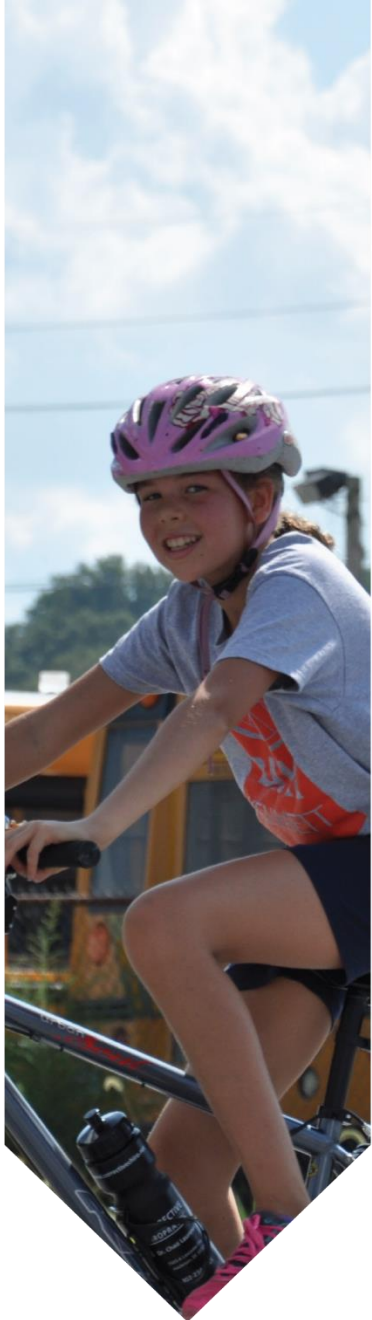
- The distance between Emory Lane and Sweetbirch Drive is **450 ft.**
- The average queue extending east from Emory Lane would be **335 ft.** with a signal.
- Longer queues may occur occasionally during the AM peak hour.
- PM peak hour queues are shorter than the AM peak hour queues.



★ Proposed Traffic Signal

COORDINATION REQUIREMENTS

- Coordinate Right-of-Way
 - Temporary easements for grading and driveway tie-ins
 - Three (3) property owners impacted on Emory Lane
- Coordinate with Utility Companies
 - Utility Impacts include Electric Poles and service lines
- Obtain Permits
 - Dept. Permitting Services (Stormwater Management)
 - MDOT State Hwy. Admin.
 - MD Dept. Environment
 - Army Corps of Engineers
 - M-NCPPC



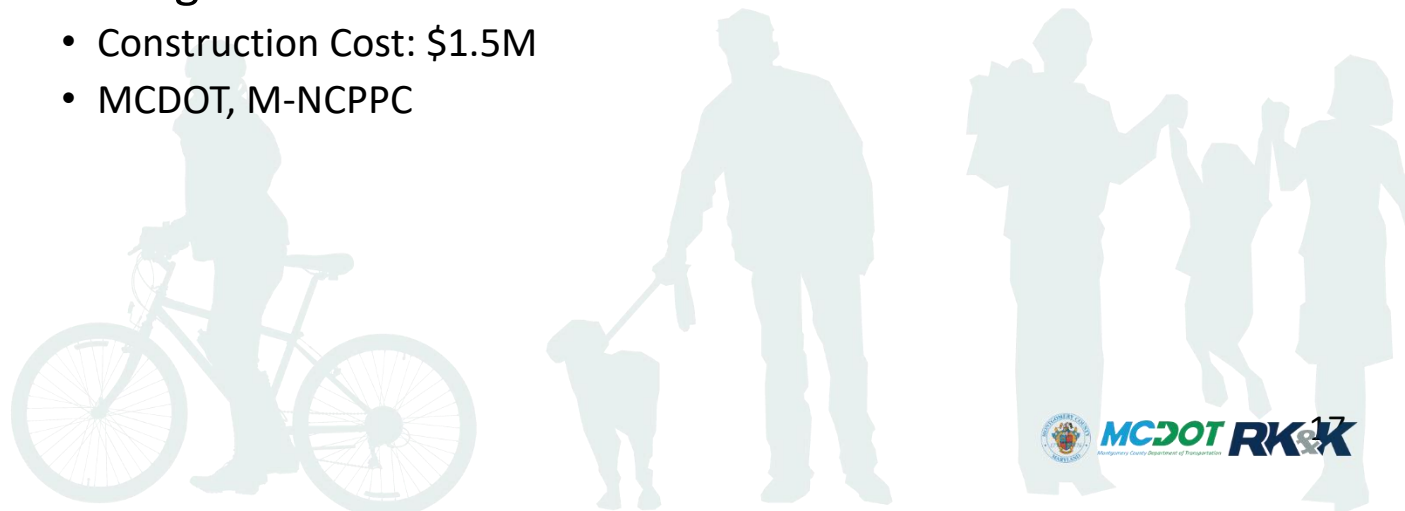
SCHEDULE & FUNDING

- Schedule

- Collect Community Input
 - Public comments accepted through July 16, 2018
- Final Design – 2019
 - Incorporate public comments and develop final plans
- Construction – Spring 2020
 - Approximately 9 month duration

- Funding

- Construction Cost: \$1.5M
- MCDOT, M-NCPPC



COMMUNITY INPUT

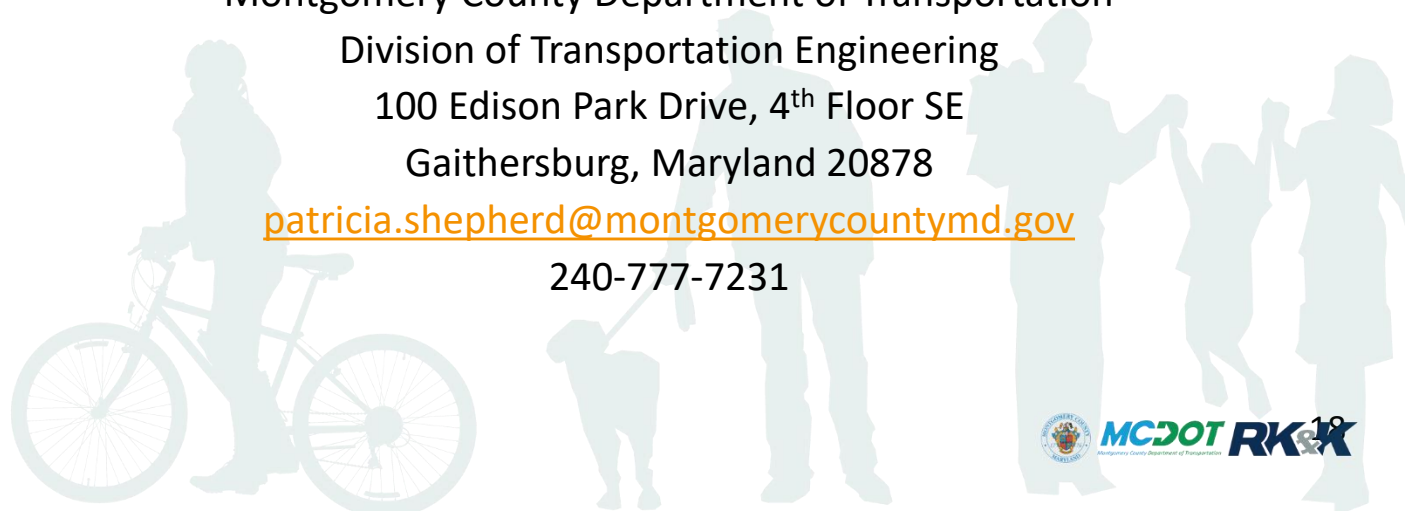
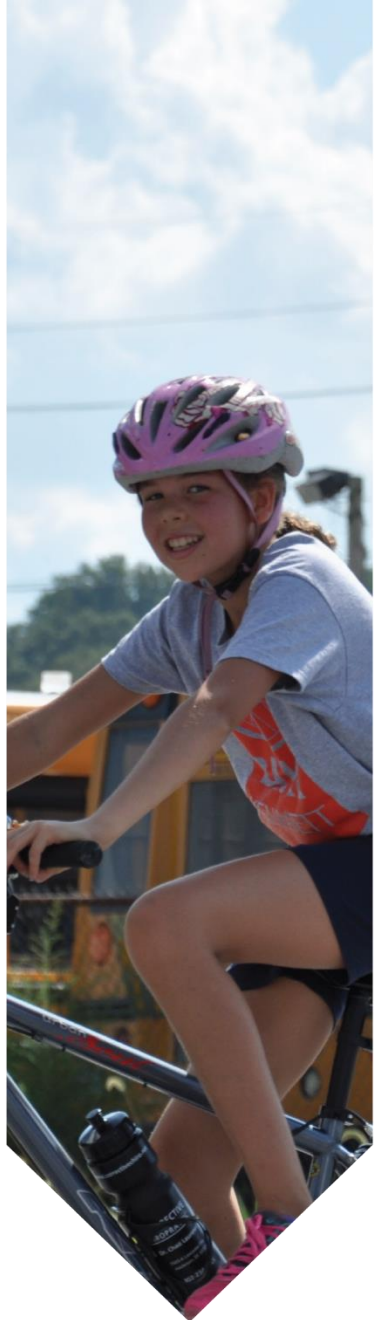
- Forward comments to MCDOT through July 16, 2018
 - Tonight's Feedback
 - By Postage Paid Public Comments Form
 - By Mail or Email to MCDOT Project Manager

- MCDOT Project Manager Contact Information

Patricia Shepherd, Project Manager
Montgomery County Department of Transportation
Division of Transportation Engineering
100 Edison Park Drive, 4th Floor SE
Gaithersburg, Maryland 20878

patricia.shepherd@montgomerycountymd.gov

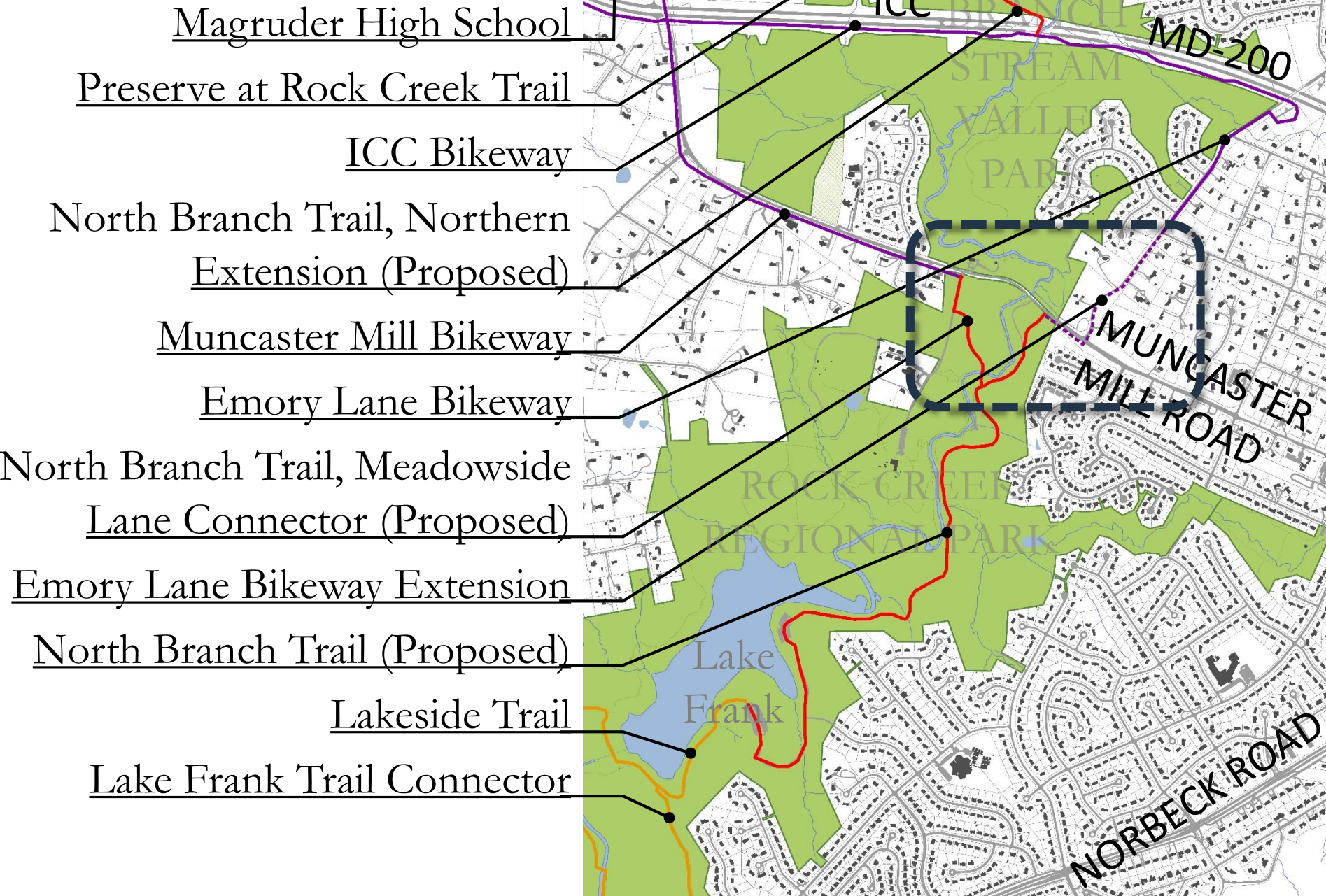
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NORTH BRANCH TRAIL PROJECT UPDATE



Trail Plan



Project Timeline

- *November, 2017* Planning Board approves parking lot location
- *March, 2018* SHA approves 60% Construction Documents
- *Summer, 2018* Permitting (FCP, SWM, SEC)
- *Fall, 2018* Submit 90% Construction Documents to SHA
- *Winter, 2019* Submit 100% Construction Documents to SHA
- *Spring, 2019* Advertise for construction
- *Summer, 2019* Construction begins (18-20 months)
- *Spring 2021* Construction complete (possible phased opening)



North Branch Hiker-Biker Trail

Community Meeting | 26 June, 2018

WORKSHOP SESSION

